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# TECHNICAL NOTES

LAKE STATES FOREST EXPERIMENT STATION  
UNIVERSITY FARM ST. PAUL 1, MINNESOTA

No. 313

## Lake States Mines Use Large Quantity of Wood

In 1947, Lake States timber operators cut approximately 7,178,000 cubic feet of round and split wood products for iron and copper mines, according to a survey recently completed by the Lake States Forest Experiment Station, in cooperation with the Forest Research Division of the Michigan College of Mining and Technology. Over 30 mining companies were contacted to obtain complete records of wood procurement.

Of the 7 million cubic feet of rough wood produced for the mines, Michigan accounted for approximately 63 percent of the total, Minnesota 32 percent, and Wisconsin 5 percent, respectively. Production in each of the states about met the needs of the mines in that State. Of the material cut, over 3 million cubic feet were mine timbers, slightly less than 2 million cubic feet were mine poles, and 2 million were mine lagging. On a regional basis, mine timbers averaged about 5.5 cubic feet per piece, mine poles about 1.5 cubic feet per piece, and mine lagging about 69 cubic feet per 4x4x8-foot cord.

Most of these rough wood products are used in the iron mines. Less than 4 percent of the total mine wood was produced for the copper mines. Total mine wood production accounted for about 1 percent of the total 1947 forest drain in the Lake States.

### Production of Mine Materials, Lake States--1947

Production of mine materials, Lake States, 1917					
Kind of product	Unit of	Production, by states			
and species	measure	Michigan	Wisconsin	Minnesota	Region
<u>Mine timbers 1/</u>					
Cedar.....	M pieces	1	..	..	1
Hemlock.....	" "	57	2	..	59
Pine.....	" "	..	..	154	154
Tamarack.....	" "	10	2	53	65
Hardwoods.....	" "	297	17	22	329
All species..		358	21	229	608
<u>Mine poles 2/</u>					
Cedar.....	M pieces	8	..	..	8
Hemlock.....	" "	2	1	..	3
Pine.....	" "	..	..	75	75
Tamarack.....	" "	438	99	403	940
Hardwoods.....	" "	151	13	..	164
All species..		599	113	478	1,190
<u>Mine lagging</u>					
Cedar.....	M cords	20	1	4	25
Other 3/.....	" "	3	..	2	5
All species..		23	1	6	30

1/ Includes the following items: stulls, props, caps, chute logs, shaft roller stock, hewed shaft timber, smelter poles. 2/ Includes cribbing, stage poles, chute poles, and smelter brands. 3/ Includes hemlock, pine, and tamarack.

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A. G. Horn, Forest Economist

